CALL FOR PRESENTATIONS

The fields of Maintenance, Reliability and Asset Management are entering a new era, driven by the rapid evolution of Artificial Intelligence (AI). With rising costs, ageing assets, energy challenges and growing skills shortages, AI offers new opportunities to improve how physical assets are maintained, managed and optimised.

From predictive maintenance and intelligent decision support to Generative AI, autonomous agents and AI-driven workflows, the potential is enormous. But **how can organisations move beyond the hype and turn AI into tangible, measurable value?** What works in practice, what challenges remain, and how can AI be successfully integrated into existing processes, systems and teams?

Asset Performance 2027 puts AI and its impact on the fundamentals of Maintenance, Reliability and Asset Management at the heart of its programme. We invite speakers to share real-world applications, practical experiences and innovative insights that demonstrate how AI can improve reliability, increase efficiency, reduce costs and empower maintenance professionals.

We particularly welcome **case studies from asset owners and practitioners**, showcasing concrete results, implementation challenges and lessons learned. Beyond AI, we also welcome innovative approaches that contribute to smarter, more reliable and sustainable asset performance.

1. What kind of presentations are we looking for?

The Asset Performance Conference focuses on disruptive technologies, innovative solutions and practical approaches that reduce costs and increase performance in operations, maintenance, reliability and asset management across the entire asset lifecycle.

We prioritise **non-commercial, practice-based presentations (30–35 minutes)** that come directly from **asset owners** and present a clearly defined challenge, the implementation journey and measurable results. The most successful contributions provide **actionable insights, transparent lessons learned** and proven outcomes that other organisations can apply.

We are particularly interested in hearing from **managers, engineers and reliability or maintenance professionals working in asset-intensive industries** such as:

- Food & Pharma
- Infrastructure
- Manufacturing
- Oil & Gas
- Chemical

We also warmly welcome contributions from **academic and research institutions** that bring new methodologies, scientific insights, or validation of industrial practices, provided they are grounded in practical relevance for asset owners and operators.

Solution and service providers are welcome to submit proposals as well, but **joint presentation**s with an asset owner significantly increase the likelihood of selection. Please clearly indicate all presenting organisations and speakers when submitting your proposal.

2. Why speak at Asset Performance 2026?

Speaking at Asset Performance provides valuable professional visibility and recognition. Presenters can showcase their organisation's achievements, share expertise with a highly specialised audience, benchmark their approach against peers and contribute to the advancement of the maintenance and asset management community.

Speakers receive **free access** to the conference on the day of their presentation, and recordings are available on the online platform after the event.

If your presentation includes more than two speakers, contact info@assetperformance.eu to receive a 10% discount code.

3. Submission deadline

Submit your proposal by **19 March 2027**. Proposals received after this date may still be considered for webinars following the conference. Selected speakers will be notified in **May 2027.**

4. How to submit your presentation proposal

Submitting a proposal is straightforward and does not require a finished presentation. A clear and well-elaborated concept is sufficient.

1. **Use the Call for Speakers form** to submit your presentation proposal.

2. **Enter your personal details**, including your contact information.

3. **Provide the details of your presentation**, including a working title and a clear summary of the concept you intend to present. Please ensure that the challenge, approach and expected or achieved results are described in sufficient detail. Please also include the main bullets / agenda items of your presentation.

4. **Add the personal details of a second speaker**, if applicable. A maximum of one additional co-speaker can be included.

5. **Upload any supporting files**—such as an existing presentation or additional background information—in the "Files" section (optional).

6. **Enter your profile picture, short biography and full contact details**.

7. **Carefully review your proposal** before submitting it.

After submission, you will receive an **automatic confirmation email**, which also allows you to review or update your application.
Please note that the platform does **not** allow changes after the submission deadline of **19 March 2027**.

If you wish to submit **more than one proposal**, a separate form must be completed for each presentation.

5. Priority Themes and Full Topic Overview

Asset Performance 2027 welcomes proposals related to predictive and prescriptive maintenance, data-driven operations, GenAI, Agentic AI and analytics, digital twins, asset data management, reliability engineering, energy and emissions optimisation, sustainability in maintenance, human-centric innovation, smart manufacturing, turnaround excellence, smart service and supply chain management, drones and robotics for inspection, innovative maintenance technologies, and IT/OT asset management.

Proposals outside the themes below are also welcome if they present relevant and impactful results.

To help you shape your submission, each major theme includes example presentation titles that reflect the type of real-world, asset-owner cases we aim to feature at the conference:

1. Predictive & Prescriptive Maintenance

Example presentation titles:

- From Reactive to Predictive: Implementing Predictive Maintenance Across Multiple Industrial Sites
- Predicting Remaining Useful Life: From Data Models to Maintenance Decisions
- Prescriptive Maintenance in Practice: Reducing Costs Without Compromising Reliability
- Building an Asset Health Dashboard That Maintenance Teams Actually Use

Subtopics

1.1 Approaches and implementation methods for Predictive & Prescriptive maintenance
1.2 Asset Health Management (dashboarding, assessment, ...)
1.3 Predictive maintenance & Remaining Useful Life prediction
1.4 Prescriptive & Prognostic maintenance
1.5 Cost reduction through Predictive & Prescriptive Maintenance

2. Smart Operations & Manufacturing

Example presentation titles:

- Autonomous Operations: Moving from Human Decision Support to AI-Driven Control
- Using AI to Optimise Production Scheduling and Reduce Operational Costs
- Improving Production Yield Through Real-Time Process Intelligence

Subtopics

2.1 Autonomous operations
2.2 Manufacturing process optimisation & cost reduction
2.3 Smart production planning & scheduling
2.4 Yield optimisation

3. Artificial Intelligence Systems & Algorithms

Example presentation titles:

- From Chatbots to AI Agents: Automating Maintenance Workflows in Practice
- Generative AI for Maintenance: Turning Technical Documentation into Actionable Knowledge
- AI-Powered Anomaly Detection Across an Industrial Asset Fleet
- Agentic AI in Maintenance: What Can Autonomous Agents Actually Do?
- Combining Physical Models and Machine Learning for More Reliable Asset Predictions

Subtopics

3.1 AI & Machine learning
3.2 Anomaly detection
3.3 Cognitive analytics
3.4 Conversational assistance
3.5 Decision-making algorithms
3.6 Hybrid Modeling
3.7 Hybrid Intelligence
3.8 Knowledge extraction
3.9 Generative AI & Large Language Models
3.10 Agentic AI

4. Asset Data Management

Example presentation titles:

- Fixing Asset Data Before Scaling AI: Lessons from an Industrial Transformation
- Building a Unified Asset Data Strategy Across Multiple Sites
- Digital Twins in Asset Management: From Visualisation to Better Decisions
- Turning Fragmented Maintenance Data into Reliable AI Insights

Subtopics
4.1 Asset data strategies
4.2 Data capture
4.3 Data logging & storage
4.4 Data quality management & enhancement
4.5 Data visualisation
4.6 Digital twins

5. Asset Management 5.0

Example presentation titles:
- From Reactive Maintenance to Strategic Asset Management: A Practical Transformation
- Using AI and Asset Performance Data to Prioritise Capital Investments
- Managing Ageing Infrastructure: Balancing Risk, Cost and Asset Lifetime
- Building Resilience into Asset Management Strategies Under Increasing Cost Pressure

Subtopics
5.1 Resilience in Operations and Maintenance
5.2 Asset Performance Management (Cost management, KPI's, Dashboarding, Benchmarking, Financial reporting, PDCA, …)
5.3 Asset Portfolio management (Life Cycle Management, Life Cycle Cost optimization / LCC, Obsolescence, Asset investment & decommissioning decision taking, …)
5.4 Risk Management associated with operating assets (integrity, compliance, operational safety, …)

6. Reliability 5.0

Example presentation titles:
- AI-Powered Root Cause Analysis: Finding and Eliminating Recurring Equipment Failures
- From Condition Monitoring to Reliability Improvement: Closing the Loop
- Building a Reliability Strategy That Delivers Measurable Operational Results
- Smart Lubrication and Predictive Analytics for Critical Rotating Equipment

Subtopics

6.1 Reliability strategy implementation
6.2 Reliability & Maintenance Engineering tools
6.3 Condition monitoring & degradation prediction
6.4 Smart lubrication
6.5 Asset Condition Monitoring & Management
6.6 AI enabled Root Cause Analysis & Defect Elimination

7. Smart Quality Assurance & Quality Control

Example presentation titles:
- AI Vision Inspection: Reducing Defects Through Automated Quality Control
- Using Machine Learning to Predict and Prevent Production Quality Issues
- From Manual Inspection to Intelligent Quality Monitoring

Subtopics
7.1 Automated sampling & analysis
7.2 Production quality optimization
7.3 Smart quality inspection
7.4 Smart vision

8. Sustainability, Energy & Emission Optimization

Example presentation titles:

- Reducing Industrial Energy Consumption Through AI-Driven Asset Optimisation
- Making Maintenance More Sustainable: Extending Asset Lifetime and Reducing Waste
- Using Real-Time Asset Data to Identify and Reduce Industrial Emissions
- Combining Reliability Improvements with Energy Efficiency Targets

Subtopics
8.1 Sustainability & Circularity in Maintenance
8.2 ESG & Sustainability Reporting
8.3 Energy Efficiency monitoring, reporting and optimization
8.4 Emission monitoring, reporting and optimization

9. Motor Systems in Industry 5.0

Example presentation titles:

- AI-Driven Motor Health Monitoring: Predicting Failures Before They Happen
- Improving Industrial Motor Fleet Efficiency Without Major Capital Investments
- Extending Motor Lifetime Through Condition Monitoring and Lifecycle Management
- Circular Economy Strategies for Industrial Electric Motors

Subtopics
9.1 Explosion proof motors
9.2 Motor Energy Efficiency
9.3 Motor Health Assessment
9.4 Motor Life Cycle Management & Performances
9.5 Sustainability & Circular Economy applied on Motors

10. Smart Service & Supply Chains

Example presentation titles:

- AI-Driven Spare Parts Planning: Reducing Inventory Without Increasing Downtime Risk
- 3D Printing Critical Spare Parts: Opportunities and Limitations in Industrial Maintenance
- Smart Supply Chain Management for Maintenance: From Forecasting to Availability
- From Equipment Supplier to Performance Partner: Making Servitization Work

Subtopics
10.1 Smart Supply Chain & Inventory Management
10.2 Smart spare parts Management
10.3 3D printed spares
10.4 Smart Service Management
10.5 Servitization

11. Turn Around Management

Example presentation titles:

- Using AI and Digital Tools to Improve Shutdown Planning and Execution
- Reducing Turnaround Duration Through Better Data and Resource Coordination
- Making Industrial Turnarounds More Sustainable Without Compromising Safety
- Managing Workforce Challenges During Complex Industrial Shutdowns

Subtopics

11.1 Digital Solutions for Shutdown & Turnaround Management
11.2 Sustainability Impact of TA's and SD's
11.3 Human Resources for TA's and SD's

12. Human Centric Innovation in Operations & Maintenance

Example presentation titles:

- AI Voice Agents for Maintenance Reporting: From Spoken Observations to Structured Work Orders
- Giving Technicians an AI Copilot: Improving Access to Maintenance Knowledge
- Leading an AI Transformation in Maintenance: Building Trust, Skills and Adoption
- Using Augmented Reality to Support Field Technicians and Reduce Human Error
- Closing the Skills Gap: How Digital Tools Can Support the Next Generation of Maintenance Professionals

Subtopics

12.1 Leadership & Culture (goal setting, change management, culture change, motivation, …)
12.2 Human Centric digital transformation
12.3 Augmented, Mixed & Virtual Reality (AR, MR & VR)
12.4 Health & Safety
12.5 Smart Solutions for operator & technician efficiency
12.6 Managing Technical Talent
12.7 Reporting using AI Voice Agents

13. Industrial Internet of Things & Innovative Solutions

Example presentation titles:

- Smart EAM Meets AI: Turning Asset Data into Actionable Maintenance Intelligence
- Edge AI in Industrial Maintenance: Real-Time Decisions Without Cloud Dependency
- Scaling IIoT Across Brownfield Sites: Overcoming Connectivity and Integration Challenges
- Smart Sensors for Critical Assets: From Data Collection to Maintenance Decisions

Subtopics

13.1 Smart EAM & Asset Data Intelligence
13.2 Edge computing
13.3 IIoT Platforms
13.4 Smart sensors & IIoT connectivity technology

14. IT and OT Asset Management

Example presentation titles:

- Securing Industrial AI: Managing Cybersecurity Risks Across IT and OT Environments
- Managing the Lifecycle of OT Infrastructure in Ageing Industrial Plants
- IT/OT Convergence in Practice: Balancing Connectivity, Reliability and Cybersecurity
- Improving Incident Management Through AI-Assisted Root Cause Analysis

Subtopics

14.1 Change Management
14.2 Cybersecurity
14.3 IT Asset Management (ITAM)
14.4 Maintenance of OT and IT Infrastructure
14.5 Maintenance of Software and Applications
14.6 Problem and Incident Management

15. Smart Tools, Drones & Robotics for Inspection and Maintenance

Example presentation titles:

- Autonomous Inspection Robots: Reducing Human Exposure in Hazardous Industrial Environments
- AI-Powered Drone Inspections: Turning Visual Data into Actionable Maintenance Insights
- Robotics in Industrial Maintenance: From Pilot Projects to Operational Deployment
- Combining Computer Vision and Robotics for Automated Asset Inspections

6. About the Asset Performance Conference

The Asset Performance Conference offers a unique platform to learn how to improve equipment reliability and cost performance while enhancing resilience and sustainability. The conference brings together professionals from across Europe to exchange knowledge, share experiences, and showcase innovations that address today's most pressing economic and sustainability challenges.

The 2026 edition will take place at the Flanders Meeting & Convention Center in Antwerp, a hub for innovation in the heart of Europe. The location is easily accessible from Brussels Airport and within walking distance of Antwerp's historic city center.

More on www.assetperformance.eu.

Asset Performance Conference schedule:

- Tuesday November 16, 2027: different tracks and sessions, workshops and innovation pitches
- Wednesday November 17, 2027: different tracks and sessions, workshops and innovation pitches

For more information about speaking opportunities and the event, please visit **www.assetperformance.eu** or contact us at **info@assetperformance.eu**.